ADAPTIVE ACTUATION VEHICLE LOCKING SYSTEM AND METHOD

ABSTRACT OF THE INVENTION

Methods and system are provided for an adaptive vehicle locking system. The system includes a plurality of vehicle door locks, each configured to lock and unlock in response to a first signal, a plurality of sensors each configured to sense opening and closing of an associated vehicle door and to send second signals in response to opening and closing of the associated vehicle door, and a lock requester configured to send a third signal. A control module that includes a memory for storing a history of the second signals and a timer adaptively settable in response to the history of the second signals is configured to receive the second signals from the plurality of sensors and the third signal from the lock requester. The control module is also configured to send a first signal to the plurality of vehicle door locks causing the vehicle door locks to lock in response to timing out of the timer following receipt of the third signal.